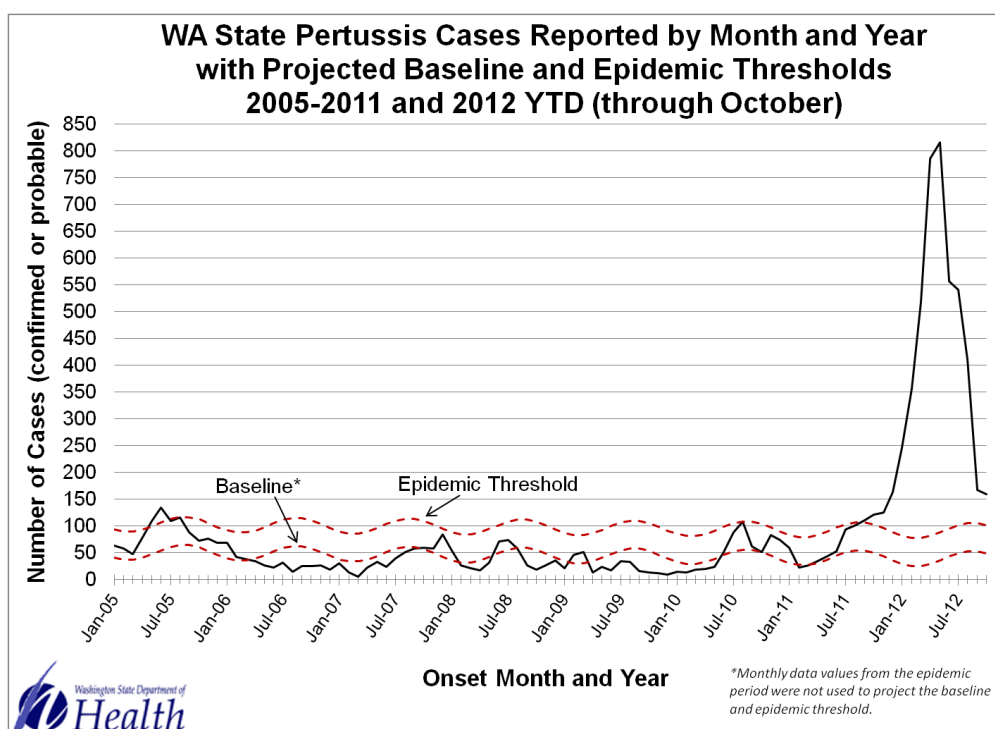
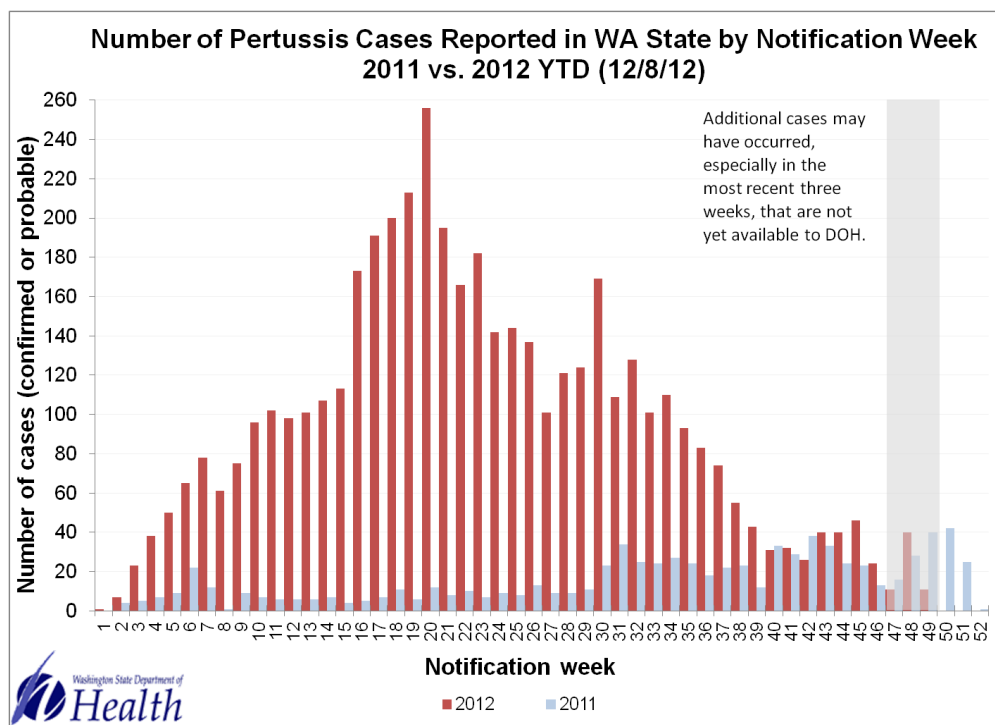


## Weekly pertussis update for Washington State

2012 year to date (YTD) confirmed and probable cases reported through 12/8/2012 (week 49)

This update summarizes reports of pertussis in persons with 2012 onsets received by local health jurisdictions (LHJs) during weeks 1-49, made visible to Washington State Department of Health (DOH) - Communicable Disease Epidemiology, and containing sufficient information to assign a DOH case classification.

- There have been a total of 4,626 cases reported statewide through week 49, compared to 739 reported cases in 2011 during the same time period. Dates for the 2011/2012 comparison were based on LHJ notification date.



- One county has reported no pertussis activity in 2012.
- Among the thirty-eight counties with pertussis activity, the number of pertussis cases reported in a given county so far this year ranges from 1 to 736, and the year to date rate of disease in a given county ranges from 4.6 to 471.1 per 100,000 persons (see Table 1).
  - The median and mean county rates in counties reporting pertussis activity are 48.2 and 66.3 per 100,000 persons year to date, respectively.
- The overall incidence year to date is 68.7 pertussis cases per 100,000 Washington residents with a rate in infants under one year of age of 393.0 per 100,000 (see Table 2). Three hundred and forty-eight infants under one year of age were reported as having whooping cough and seventy of them were hospitalized. Of those hospitalized, 56 (80%) were very young (three months of age or younger). Children aged 5-9 and 10-13 years old also have high incidence rates (205.9 and 286.4 per 100,000, respectively). School-aged children (aged 5-18 years old) comprise 57% of all reported cases.

**Table 1. WA State pertussis cases by county, 2012 YTD**

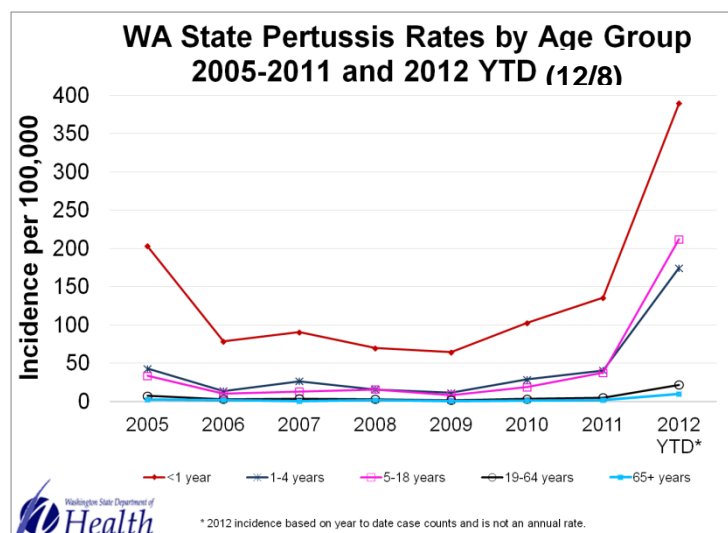
County	2010 OFM Population	Number of cases	Rate per 100,000 persons
Adams	18,300	10	54.6
Asotin	21,700	4	18.4
Benton	172,900	80	46.3
Chelan	73,300	41	55.9
Clallam	70,100	26	37.1
Clark	435,600	318	73.0
Columbia	4,150	2	48.2
Cowlitz	100,000	72	72.0
Douglas	38,500	8	20.8
Ferry	7,850	7	89.2
Franklin	75,500	44	58.3
Grant	87,700	47	53.6
Grays Harbor	71,600	23	32.1
Island	81,100	45	55.5
Jefferson	29,300	25	85.3
King	1,933,400	726	37.6
Kitsap	248,300	82	33.0
Kittitas	40,500	33	81.5
Klickitat	20,500	7	34.1
Lewis	75,600	70	92.6
Lincoln	10,500	2	19.0
Mason	57,100	15	26.3
Okanogan	40,900	15	36.7
Pacific	22,100	7	31.7
Pend Oreille	13,100	4	30.5
Pierce	814,600	736	90.4
San Juan	16,500	14	84.8
Skagit	119,300	562	471.1
Skamania	10,900	3	27.5
Snohomish	711,100	533	75.0
Spokane	470,300	159	33.8
Stevens	44,300	41	92.6
Thurston	252,400	49	19.4
Wahkiakum	4,150	1	24.1
Walla Walla	59,600	55	92.3
Whatcom	195,500	324	165.7
Whitman	43,600	2	4.6
Yakima	239,100	433	181.1

**Note.** Counties with no reported cases classified as confirmed or probable, 2012: Garfield.

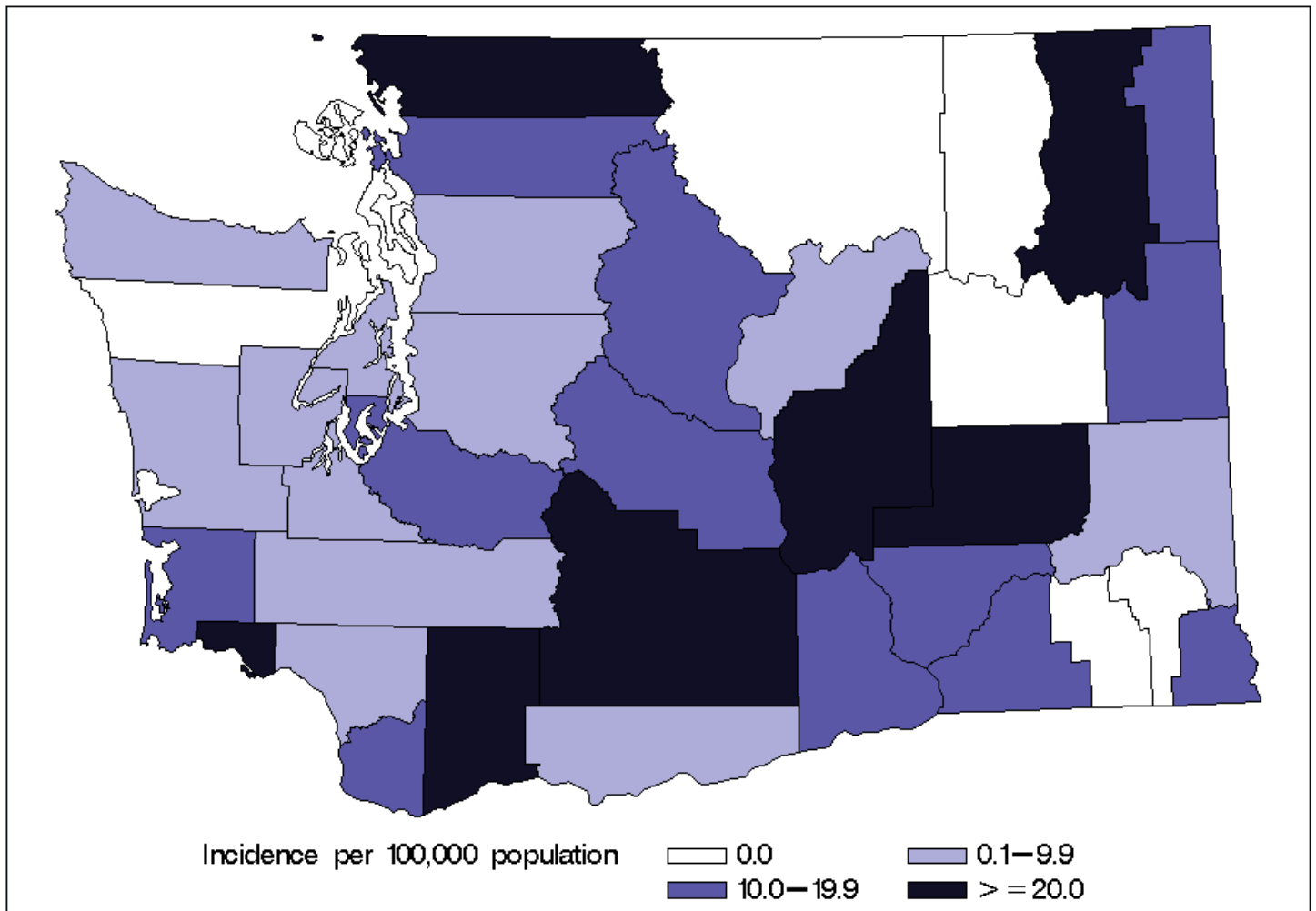
**Table 2. WA State pertussis cases by age group, 2012 YTD**

Age Group (years)	2010 OFM Population	Number of Cases	Rate per 100,000 persons	% cases by age group
<1	88,544	348	393.0	7.5
1-4	355,275	623	175.4	13.5
5-9	432,656	891	205.9	19.3
10-13	346,396	992	286.4	21.4
14-18	454,703	754	165.8	16.3
19-24	577,706	173	29.9	3.7
25-44	1,830,703	472	25.8	10.2
45-64	1,823,910	290	15.9	6.3
65+	823,357	82	10.0	1.8
All ages	6,733,250	4,626	68.7	

\*Note: Data on age is not available for one case.



Recent Pertussis Incidence by County (August - October 2012 Onsets)



**Table 3. Cumulative number of confirmed and probable pertussis cases reported in WA State by 2012 LHJ notification week (through 12/8)**

Notification Week	Cumulative Number of 2012 Cases	Number of New Cases
1	1	1
2	8	7
3	31	23
4	69	38
5	119	50
6	184	65
7	262	78
8	323	61
9	398	75
10	494	96
11	596	102
12	694	98
13	795	101
14	902	107
15	1,015	113
16	1,188	173
17	1,379	191
18	1,579	200
19	1,792	213
20	2,048	256
21	2,243	195
22	2,409	166
23	2,591	182
24	2,733	142
25	2,877	144
26	3,014	137
27	3,115	101
28	3,236	121
29	3,360	124
30	3,529	169
31	3,638	109
32	3,766	128
33	3,867	101
34	3,977	110
35	4,070	93
36	4,153	83
37	4,227	74
38	4,282	55
39	4,325	43
40	4,356	31
41	4,388	32
42	4,414	26
43	4,454	40
44	4,494	40
45	4,540	46
46	4,564	24
47	4,575	11
48	4,615	15
49	4,626	11

Note: Additional cases may have occurred, especially in the most recent three weeks, that are not yet made available to DOH.

**Table 4. Summary of reported pertussis cases\* included in the previous 2012 weekly updates posted online**

Notification Week	Date of Data Retrieval	Number of Cases
3	1/23	10
4	1/30	36
5	2/6	68
6	2/13	107
7	2/20	175
8	2/27	240
9	3/5	313
10	3/12	375
11	3/19	463
12	3/26	549
13	4/2	640
14	4/9	776
15	4/16	897
16	4/23	1,008
17	4/30	1,132
18	5/7	1,284
19	5/14	1,484
20	5/21	1,738
21	5/29	1,947
22	6/4	2,092
23	6/11	2,325
24	6/18	2,520
25	6/25	2,647
26	7/2	2,786
27	7/9	2,883
28	7/16	3,014
29	7/23	3,180
30	7/30	3,285
31	8/6	3,400
32	8/13	3,484
33	8/20	3,539
34	8/27	3,794
35	9/4	3,911
36	9/10	4,007
37	9/17	4,115
38	9/24	4,190
39	10/1	4,268
40	10/8	4,307
41	10/15	4,348
42	10/22	4,387
43	10/29	4,424
44	11/5	4,463
45	11/12	4,501
46	11/19	4,527
47	11/26	4,548
48	12/3	4,593

\*Note: These case counts do not correspond to the actual cumulative number of cases by LHJ notification week, but rather the cumulative number of cases that had been available to DOH at the time each week's update was created.